

**FOR FURTHER INFORMATION CONTACT:** Sharon L. Donaldson, 630/252-0953.

**SUPPLEMENTARY INFORMATION:** The solicitation, when issued, will include a narrative scope of work, program requirements, qualification criteria, evaluation criteria, and other information. The purpose of this solicitation is to invite interested parties to submit an application for cost-shared cooperative agreements with the Department of Energy (DOE) for research and development of Advanced Liquid Natural Gas (LNG) Onboard Storage Systems (ALOSS) for natural gas vehicles. The solicitation is to accelerate research, development and testing of novel LNG storage technologies that would increase the vehicle's driving range, improve its efficiency and durability, and lower evaporative emissions and costs. The major barrier to using natural gas as a vehicle fuel is the problem of storing sufficient quantities of natural gas onboard the vehicle. The storage of natural gas in its compressed state (CNG) is viable for some vehicles, but does not meet the needs of most Class 7 and 8 trucks and buses. Since Class 7 and 8 trucks and buses use nearly 40% of the country's transportation fuel, it is an important market sector to DOE's Office of Transportation Technologies. By using LNG, the storage problem can be solved. The storage of natural gas in its liquid rather than compressed state increases the driving range of a vehicle by 300%.

The use of LNG introduces the complexity of dealing with a cryogenic liquid. This approach is not new, because the first LNG-fueled buses used cryogenic pumps. However, the technology was later abandoned because of problems relating to durability, consistency of fuel delivery, and excessive vapor venting. In spite of the known problems of using LNG with cryogenic pumps, the benefits are sufficient to warrant revisiting its use. The goal of this solicitation is to reduce the overall complexity of LNG through the development of a simple and reliable onboard cryogenic pump.

The benefits of using a cryogenic pump with low-pressure LNG storage are that it: increases usable fuel in the tank by 25%, eliminates the need for fuel conditioning, simplifies the operation of the refueling station, reduces the atmospheric venting of natural gas, reduces connector leaks, and has the ability to supply fuel to all types of natural gas engines from high pressure direct injected to aspirated. Some of the risks and/or challenges of using an onboard cryogenic pump include: keeping the pump cold at all

times, durability, thermal management, meeting transient loads, redundancy, cavitation, and costs.

This solicitation seeks a solution to the problems and challenges described so that the benefits noted above can be realized. DOE's long-term goal is to improve LNG vehicles so that they capture a greater share of the transportation fuel market and thereby lessen U.S. dependency on imported oil.

Once released, the solicitation will be available for downloading from the IIPS Internet page. At this Internet site you will also be able to register with IIPS, enabling you to submit an application. If you need technical assistance in registering or for any other IIPS function call the IIPS Help Desk at (800) 683-0751 or E-mail the Help Desk personnel at [IIPS\\_HelpDesk@e-center.doe.gov](mailto:IIPS_HelpDesk@e-center.doe.gov). The solicitation will only be made available in IIPS; no hard (paper) copies of the solicitation and related documents will be made available.

Issued in Argonne, Illinois, on May 20, 2002.

**John D. Greenwood,**

*Assistant Manager for Acquisition and Assistance.*

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## DEPARTMENT OF ENERGY

### Federal Energy Regulatory Commission

[Docket No. EG02-131-000]

#### Auburndale Peaker Energy Center, L.L.C.; Notice of Application for Commission Determination of Exempt Wholesale Generator Status

May 31, 2002.

Take notice that on May 2, 2002, Auburndale Peaker Energy Center, L.L.C. (Auburndale) filed with the Federal Energy Regulatory Commission an application for determination of exempt wholesale generator status pursuant to part 365 of the Commission's regulations. Auburndale, a Delaware limited liability company, proposes to own and operate a 115 MW simple cycle, electric generating facility located in Polk County, Florida.

Any person desiring to intervene or to protest this filing should file with the Federal Energy Regulatory Commission, 888 First Street, NE., Washington, DC 20426, in accordance with rules 211 and 214 of the Commission's rules of practice and procedure (18 CFR 385.211 and 385.214). Protests will be considered by the Commission in determining the appropriate action to be

taken, but will not serve to make protestants parties to the proceeding. Any person wishing to become a party must file a motion to intervene. All such motions or protests should be filed on or before the comment date, and, to the extent applicable, must be served on the applicant and on any other person designated on the official service list. This filing is available for review at the Commission or may be viewed on the Commission's web site at <http://www.ferc.gov> using the "RIMS" link, select "Docket #" and follow the instructions (call 202-208-2222 for assistance). Protests and interventions may be filed electronically via the Internet in lieu of paper; see 18 CFR 385.2001(a)(1)(iii) and the instructions on the Commission's web site under the "e-Filing" link.

*Comment Date:* June 7, 2002.

**Linwood A. Watson, Jr.,**

*Deputy Secretary.*

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## DEPARTMENT OF ENERGY

### Federal Energy Regulatory Commission

[Docket No. RP96-389-051]

#### Columbia Gulf Transmission Company; Notice of Negotiated Rate Filing

May 31, 2002.

Take notice that on May 21, 2002, Columbia Gulf Transmission Company (Columbia Gulf) tendered for filing the following contract for disclosure of a negotiated rate transaction under its Rate Schedule FTS-1:

Service Agreement No. 72806 between Columbia Gulf Transmission Company and Aquila Merchant Services dated May 17, 2002

Transportation service is to commence June 1, 2002 and end October 31, 2002 under the agreement.

Columbia Gulf states that it has served copies of the filing on all parties identified on the official service list in Docket No. RP96-389.

Any person desiring to be heard or to protest said filing should file a motion to intervene or a protest with the Federal Energy Regulatory Commission, 888 First Street, NE., Washington, DC 20426, in accordance with sections 385.214 or 385.211 of the Commission's Rules and Regulations. All such motions or protests must be filed in accordance with section 154.210 of the Commission's Regulations. Protests will be considered by the Commission in